

## Two Pack Water Based Fluoropolymer Finish ENVIROFLON 9000

**PRODUCT DESCRIPTION** - A & I Coatings ENVIROFLON 9000 is a unique, environmentally friendly two pack water borne fluoropolymer based topcoat which gives excellent UV resistance and weathering performance. It has good application properties and chemical resistance. This 'State of Art' technology lowers the lifetime maintenance cost of coating in a variety of environments.

### TYPICAL APPLICATIONS

- Fascias and facades
  - High capital cost structures
  - Chemical plants
  - Other uses include coating of substrates such as copper, aluminium and glass. E9000 is suitable practically wherever good chemical resistance with excellent durability and aesthetic appearance is required.
- Wind turbines  
Bridges and acoustic barriers  
Structural steel and roofing

### TECHNICAL INFORMATION

<b>Vehicle Type</b>	: Fluoropolymer.
<b>Hardener</b>	: Water Dispersible Isocyanate.
<b>Pigmentation</b>	: Various.
<b>Mixing Ratio</b>	: 12:1 (Part A : Part B) by Volume
<b>Pot life</b>	: Dependant on water added, up to 3 hours at 20°C, less at higher temperatures
<b>Finish</b>	: Gloss, satin, metallic or pearl. Note: Metallic finishes may require overcoating with E9000 clear.
<b>Colour</b>	: To any colour. For maximum durability, discuss the colour with <b>A &amp; I Coatings</b> , as some colours may warrant a clear overcoat.
<b>Dry time (min)</b>	: Touch dry 30mins @25°C Dry to handle 2hours @25°C Full physical properties 48hours @25°C
<b>Recoat time</b>	: Recoat when water released from previous coat, normally approx. 1 hour at 20°C.
<b>Primer required</b>	: Dependant on substrate.
<b>Theoretical Coverage</b>	: White or pastel colours 8.6m <sup>2</sup> /litre@50µmDFT /116µmWFT Clear or bright colours 7.2m <sup>2</sup> /litre@50µmDFT/139µmWFT
<b>Volume Solids</b>	: Approx 36% - 43% by volume dependant on pigmentation.
<b>Recommended DFT</b>	: 25 – 75 µm/coat.
<b>Usual no. of coats</b>	: 1 – 2 coats.
<b>Abrasion Resistance</b>	: Excellent resistance to scrubbing and sand abrasion.
<b>Solvent Resistance</b>	: Excellent resistance to solvents, petrols and oils.
<b>Thinners</b>	: Add up to 15% water to thin if necessary.
<b>Product weight</b>	: Approx 1.2Kg/Litre.
<b>VOC Content</b>	: 58 grams/Litre(APAS).

### MERITS

1. Excellent weathering performance
2. Excellent application properties
3. Very good chemical resistance
4. Low VOC's
5. High slip finish improves aerodynamics
6. Low dirt retention

### LIMITATIONS

1. Power stirring is necessary when mixing A & B.
2. Maximum gloss level is approximately 85%.
3. Curing time in cold conditions is affected.

**APPLICATION DATA**

<b>Mixing</b>	: Power stirring is essential. Mix Pack A & B together and power stir for 5 minutes before adding any necessary water.
<b>Cleaning</b>	: Use water.
<b>Equipment</b>	: Air atomisation, airless, air assisted airless, HVLP ( <b>A &amp; I Coatings</b> technical staff can assist in this area).

**SURFACE PREPARATION:**

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to AS1627.1. Primers should be abraded as necessary.

**Concrete surfaces**

Allow new concrete surfaces to cure for a minimum of 28 days before painting. Surface to be painted should be free from oil, grease etc Contact A & I Coatings team for preparation details & primer specifications.

**Aluminium, Galvanised Steel and Zincalume**

Remove oil and excess grease with mild detergent or with sugar soap. Slightly roughen the surface with the help of sanding or light whip blast coat with a non metallic abrasive. Apply suitable primer according to specification.

**Repaints**

All surfaces should be free from oil, grease, loose paint and other contaminants. Though Enviroflon 9000 may give good adhesion, a test patch is always necessary before use.

**Steel structures**

Degrease the surfaces and remove all weld spatter and flux. Grind sharp edges and corners. For best results abrasive blast clean to specified/recommended AS 1627-1 to 9. Apply **A & I Coatings** specified primer depending on corrosive environment with a high solid epoxy as a barrier coat. Please consult **A & I Coatings** Technical team for particular specifications.

**WORK STOPPAGES** : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

**CLEAN UP** : Clean all equipment after use with **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays.

**PACKING & STORAGE**

**Packing** : Available in 13L packs or other as required.

**Storage** : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

**HEALTH AND SAFETY** : All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Enviroflon 9000. Users should familiarize themselves with all the safety aspects of the product prior to usage.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

*Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.*

**DISCLAIMER**

*Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty.*

For additional information, phone our Customer Service Centre on **1800 819 585**.

APRIL 2010- THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.